



Information Disclosure Statement

USPN 10/635,790

April 12, 2004

Page 5

| | | |
|--|--------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 1 of 10 | ATTY DOCKET NO. B-4424NP 620844-4 | U.S. SERIAL NO. 10/635,790 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS Lap-Wai CHOW, et al. | |
| | FILING DATE August 5, 2003 | GROUP 2811 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|-------------------|-------|---------------|--|
| UK | 09/391,258 | | Baukus et al | | | 9/7/1999 |
| | 09/758,792 | | | | | |
| | 10/637,848 | | Chow et al. | | | 8/7/2003 |
| | 3,673,471 | 06/1972 | Klein et al. | 257 | 407 | |
| | 3,946,426 | 03/1976 | Sanders | 357 | 71 | |
| | 4,017,888 | 04/1977 | Christie et al. | 357 | 54 | |
| | 4,139,864 | 02/1979 | Vetter | 358 | 188 | |
| | 4,164,461 | 08/1979 | Schilling | 204 | 192 EC | |
| | 4,196,443 | 04/1980 | Dingwall | 257 | 774 | |
| | 4,267,578 | 05/1981 | Vetter | 364 | 709 | |
| | 4,291,391 | 09/1981 | Chatterjee et al. | 365 | 184 | |
| | 4,295,897 | 10/1981 | Tubbs et al. | 148 | 1.5 | |
| | 4,314,268 | 02/1982 | Yoshioka et al. | 357 | 48 | |
| V | 4,317,273 | 03/1982 | Guterman et al. | 29 | 571 | |

| | |
|--------------------------------|-----------------------------|
| EXAMINER <i>[Signature]</i> | DATE CONSIDERED 12/13/04 |
|--------------------------------|-----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/635,790
 April 12, 2004
 Page 6

| | | |
|--|--------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 2 of 10 | ATTY DOCKET NO. B-4424NP 620844-4 | U.S. SERIAL NO. 10/635,790 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS Lap-Wai CHOW, et al. | |
| | FILING DATE August 5, 2003 | GROUP 2811 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|-----------------|-------|---------------|--|
| MH | 4,322,736 | 03/1982 | Sasaki et al. | 257 | 369 | |
| | 4,374,454 | 02/1983 | Jochems | 29 | 571 | |
| | 4,409,434 | 10/1983 | Basset et al. | 380 | 265 | |
| | 4,435,895 | 03/1984 | Parillo | 29 | 571 | |
| | 4,471,376 | 09/1984 | Morcom et al. | 357 | 71 | |
| | 4,581,628 | 04/1986 | Miyauchi et al. | 357 | 71 | |
| | 4,583,011 | 04/1986 | Pechar | 307 | 440 | |
| | 4,603,381 | 07/1986 | Gutttag et al. | 364 | 200 | |
| | 4,623,255 | 11/1986 | Suszko | 356 | 389 | |
| | 4,727,493 | 02/1988 | Taylor, Sr. | 364 | 490 | |
| | 4,766,516 | 08/1988 | Ozdemir et al. | 361 | 380 | |
| | 4,799,096 | 01/1989 | Koepppe | 357 | 42 | |
| | 4,821,085 | 04/1989 | Haken et al. | 357 | 67 | |
| | 4,830,974 | 05/1989 | Chang et al. | 437 | 34 | |

| | |
|---------------------------------|-----------------------------|
| EXAMINER <i>M. H. Miller</i> | DATE CONSIDERED 12/13/04 |
|---------------------------------|-----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/635,790
 April 12, 2004
 Page 7

| | | |
|--|--------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 3 of 10 | ATTY DOCKET NO. B-4424NP 620844-4 | U.S. SERIAL NO. 10/635,790 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS Lap-Wai CHOW, et al. | |
| | FILING DATE August 5, 2003 | GROUP 2811 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|------------------|-------|---------------|--|
| <i>MB</i> | 4,939,567 | 07/1990 | Kenney | 257 | 383 | |
| <i>MB</i> | 4,975,756 | 12/1990 | Haken et al. | 357 | 4.1 | |
| <i>MB</i> | 4,998,151 | 03/1991 | Korman et al. | 257 | 328 | |
| <i>MB</i> | 4,962,484 | 10/1990 | Takeshima et al. | 365 | 226 | |
| <i>MB</i> | 5,030,796 | 07/1991 | Swanson et al. | 174 | 52.2 | |
| <i>MB</i> | 5,050,123 | 09/1991 | Castro | 365 | 53 | |
| <i>MB</i> | 5,061,978 | 10/1991 | Mizutani et al. | 357 | 30 | |
| <i>MB</i> | 5,065,208 | 11/1991 | Shah et al. | 357 | 34 | |
| <i>MB</i> | 5,068,697 | 11/1991 | Noda et al. | 357 | 23.5 | |
| <i>MB</i> | 5,070,378 | 12/1991 | Yamagata | 357 | 23.5 | |
| <i>MB</i> | 5,101,121 | 03/1992 | Sourgen | 307 | 465 | |
| <i>MB</i> | 5,117,276 | 05/1992 | Thomas et al. | 357 | 71 | |
| <i>MB</i> | 5,121,089 | 06/1992 | Larson et al. | 333 | 107 | |
| <i>MB</i> | 5,121,186 | 06/1992 | Wong et al. | 257 | 384 | |

| | |
|-----------------------|-----------------------------|
| EXAMINER <i>MB</i> | DATE CONSIDERED 12/13/04 |
|-----------------------|-----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/635,790
 April 12, 2004
 Page 8

| | | |
|--|--------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 4 of 10 | ATTY DOCKET NO. B-4424NP 620844-4 | U.S. SERIAL NO. 10/635,790 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS Lap-Wai CHOW, et al. | |
| | FILING DATE August 5, 2003 | GROUP 2811 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|------------------|-------|---------------|--|
| <i>MT</i> | 5,132,571 | 07/1992 | McCollum et al. | 307 | 465.1 | |
| | 5,138,197 | 08/1992 | Kuwana | 307 | 449 | |
| | 5,146,117 | 09/1992 | Larson | 307 | 465 | |
| | 5,168,340 | 12/1992 | Nishimura | 357 | 376 | |
| | 5,177,589 | 01/1993 | Kobayashi et al. | 257 | 773 | |
| | 5,202,591 | 04/1993 | Walden | 307 | 450 | |
| | 5,225,699 | 07/1993 | Nakamura | 257 | 306 | |
| | 5,227,649 | 07/1993 | Chapman | 257 | 204 | |
| | 5,231,299 | 07/1993 | Ning et al. | 257 | 316 | |
| | 5,302,539 | 04/1994 | Haken et al. | 437 | 41 | |
| | 5,308,682 | 05/1994 | Morikawa | 428 | 195 | |
| | 5,309,015 | 05/1994 | Kuwata et al. | 257 | 659 | |
| | 5,317,197 | 05/1994 | Roberts | 257 | 401 | |
| <i>✓</i> | 5,336,624 | 08/1994 | Walden | 437 | 34 | |

| | |
|---------------------------------|------------------------------------|
| EXAMINER <i>M. J. Malone</i> | DATE CONSIDERED <i>12/13/04</i> |
|---------------------------------|------------------------------------|

EXAMINER: Initial/If reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/635,790
 April 12, 2004
 Page 9

| | | |
|--|--------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 5 of 10 | ATTY DOCKET NO. B-4424NP 620844-4 | U.S. SERIAL NO. 10/635,790 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS Lap-Wai CHOW, et al. | |
| | FILING DATE August 5, 2003 | GROUP 2811 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|------------------|-------|---------------|--|
| MH | 5,341,013 | 08/1994 | Koyanagi et al. | 257 | 368 | |
| | 5,345,105 | 9/1994 | Sun et al. | 257 | 659 | |
| | 5,354,704 | 10/1994 | Yang et al. | 437 | 52 | |
| | 5,369,299 | 11/1994 | Byrne et al. | 257 | 638 | |
| | 5,371,390 | 12/1994 | Mohsen | 257 | 209 | |
| | 5,376,577 | 12/1994 | Roberts et al. | 437 | 52 | |
| | 5,384,472 | 01/1995 | Yin | 257 | 204 | |
| | 5,384,475 | 1/1995 | Yahata | 257 | 314 | |
| | 5,399,441 | 03/1995 | Bearinger et al. | 428 | 689 | |
| | 5,404,040 | 04/1995 | Hshieh et al. | 257 | 341 | |
| | 5,412,237 | 05/1995 | Komori et al. | 257 | 306 | |
| | 5,441,902 | 08/1995 | Hsieh et al. | 437 | 34 | |
| | 5,468,990 | 11/1995 | Daum | 257 | 632 | |
| | 5,475,251 | 12/1995 | Kuo et al. | 257 | 316 | |

| | |
|------------------------------|-----------------------------|
| EXAMINER <i>M. H. Hsu</i> | DATE CONSIDERED 12/13/04 |
|------------------------------|-----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw lines through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Page 10

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|---------------|-------|---------------|--|
| MT | 5,506,806 | 04/1996 | Fukushima | 365 | 195 | |
| | 5,531,018 | 07/1996 | Saia et al. | 29 | 622 | |
| | 5,539,224 | 07/1996 | Ema | 257 | 211 | |
| | 5,541,614 | 07/1996 | Lam et al. | 343 | 792.5 | |
| | 5,571,735 | 11/1996 | Mogami et al. | 437 | 41 | |
| | 5,576,988 | 11/1996 | Kuo et al. | 365 | 185.0 4 | |
| | 5,611,940 | 03/1997 | Zettler | 73 | 514.1 6 | |
| | 5,638,946 | 06/1997 | Zavracky | 200 | 181 | |
| | 5,677,557 | 10/1997 | Wuu et al. | 257 | 382 | |
| | 5,679,595 | 10/1997 | Chen et al. | 437 | 52 | |
| | 5,719,422 | 02/1998 | Burr et al. | 257 | 336 | |
| | 5,719,430 | 02/1998 | Goto | 257 | 403 | |
| | 5,721,150 | 02/1998 | Pasch | 437 | 46 | |
| | 5,783,375 | 7/1998 | Twist | 430 | 414 | |

| | |
|----------------|-----------------|
| EXAMINER | DATE CONSIDERED |
| M. J. Sullivan | 12/13/04 |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/635,790
 April 12, 2004
 Page 11

| | | |
|--|--------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 7 of 10 | ATTY DOCKET NO. B-4424NP 620844-4 | U.S. SERIAL NO. 10/635,790 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS Lap-Wai CHOW, et al. | |
| | FILING DATE August 5, 2003 | GROUP 2811 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|------------------|-------|---------------|--|
| HH | 5,783,846 | 07/1998 | Baukus et al. | 257 | 204 | |
| | 5,821,590 | 10/1998 | Lee et al. | 257 | 377 | |
| | 5,834,356 | 11/1998 | Bothra et al. | 438 | 384 | |
| | 5,838,047 | 03/1999 | Yamauchi et al. | 257 | 372 | |
| | 5,854,510 | 12/1998 | Sur, Jr. et al. | 257 | 529 | |
| | 5,866,933 | 02/1999 | Baukus et al. | 257 | 368 | |
| | 5,880,503 | 03/1999 | Matsumoto et al. | 257 | 372 | |
| | 5,888,887 | 03/1999 | Li et al. | 438 | 525 | |
| | 5,920,097 | 07/1999 | Horne | 257 | 368 | |
| | 5,930,663 | 07/1999 | Baukus et al. | 438 | 598 | |
| | 5,930,667 | 7/1999 | Oda | 438 | 622 | |
| | 5,973,375 | 10/1999 | Baukus et al. | 257 | 399 | |
| | 5,977,593 | 11/1999 | Hara | 257 | 356 | |
| | 5,998,257 | 12/1999 | Lane et al. | 438 | 253 | |

| | |
|-----------------------|------------------------------------|
| EXAMINER <i>HH</i> | DATE CONSIDERED <i>12/13/04</i> |
|-----------------------|------------------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/635,790
 April 12, 2004
 Page 12

| | | |
|--|--------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 8 of 10 | ATTY DOCKET NO. B-4424NP 620844-4 | U.S. SERIAL NO. 10/635,790 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS Lap-Wai CHOW, et al. | |
| | FILING DATE August 5, 2003 | GROUP 2811 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|-------------------|-------|---------------|--|
| YH | 6,037,627 | 03/2000 | Kitamura et al. | 257 | 324 | |
| | 6,046,659 | 04/2000 | Loo et al. | 333 | 262 | |
| | 6,054,659 | 04/2000 | Lee et al. | 200 | 181 | |
| | 6,057,520 | 05/2000 | Goodwin-Johansson | 200 | 181 | |
| | 6,064,110 | 5/2000 | Baukus et al. | 257 | 652 | |
| | 6,093,609 | 7/2000 | Chuang | 438 | 286 | |
| | 6,117,762 | 09/2000 | Baukus et al. | 438 | 618 | |
| | 6,137,318 | 10/2000 | Takaaki | 326 | 112 | |
| | 6,154,388 | 11/2000 | Oh | 365 | 185.0 4 | |
| | 6,215,158 B1 | 04/2001 | Choi | 257 | 368 | |
| | 6,294,816 B1 | 09/2001 | Baukus et al. | 257 | 368 | |
| | 6,326,675 B1 | 12/2001 | Scott et al. | 257 | 608 | |
| | 6,365,453 B1 | 4/2002 | Deboer et al. | 438 | 253 | |

| | |
|--------------------------------|-----------------------------|
| EXAMINER <i>M. A. H. H.</i> | DATE CONSIDERED 12/13/04 |
|--------------------------------|-----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/635,790
 April 12, 2004
 Page 13

| | | |
|--|--------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 9 of 10 | ATTY DOCKET NO. B-4424NP 620844-4 | U.S. SERIAL NO. 10/635,790 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS Lap-Wai CHOW, et al. | |
| | FILING DATE August 5, 2003 | GROUP 2811 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO |
|--|-----------------|------------------|---------|-------|----------|--------------------|
| | 0 364 769 | 04/1990 | EP | | | |
| | 0 463 373 | 01/1992 | EP | | | |
| | 0 528 302 A1 | 02/1993 | EP | | | |
| | 0 585 601 A1 | 03/1994 | EP | | | |
| | 0 764 985 A2 | 03/1997 | EP | | | |
| | 0 883 184 A2 | 12/1998 | EP | | | |
| | 02-046762 | 02/1990 | JP | | | abstract |
| | 02-237038 | 09/1990 | JP | | | abstract |
| | 58-190064 | 11/1983 | JP | | | abstract |
| | 63-129647 A | 06/1988 | JP | | | abstract |
| | 00/44012 | 07/2000 | WO | | | abstract |
| | 98/21734 | 05/1998 | WO | | | abstract |

| | |
|--------------------------------------|-----------------------------|
| EXAMINER <i>M. J. [Signature]</i> | DATE CONSIDERED 12/13/04 |
|--------------------------------------|-----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 602. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/635,790
 April 12, 2004
 Page 14

| | | |
|--|--------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 10 of 10 | ATTY DOCKET NO. B-4424NP 620844-4 | U.S. SERIAL NO. 10/635,790 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS Lap-Wai CHOW, et al. | |
| | FILING DATE August 5, 2003 | GROUP 2811 |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|---|--|
| ✓ | Blythe, et al., "Layout Reconstruction of Complex Silicon Chips," <i>IEEE Journal of Solid-State Circuits</i> , Vol. 28, No. 2, pp. 138-145 (February 1993). |
| ✓ | Frederiksen, Thomas M., "Standard Circuits in the New CMOS Era," <i>Intuitive CMOS Electronics</i> , Revised Edition, pp. 134-146 (January 1989). |
| ✓ | Hodges and Jackson, <i>Analysis and Design of Digital Integrated Circuits</i> , 2nd edition, McGraw-Hill, page 353 (1988). |
| ✓ | Larson, L.E., et al., "Microactuators for GaAs-based Microwave Integrated Circuits," <i>IEEE</i> , pp. 743-746 (1991). |
| ✓ | Lee, "Engineering a Device for Electron-Beam Probing," <i>IEEE Design and Test of Computers</i> , pp. 36-49 (June 1989). |
| ✓ | Ng, K.K., <i>Complete Guide to Semiconductor Devices</i> , McGraw-Hill, Inc., pp 164-165 (1995). |
| ✓ | Sze, S.M., <i>VLSI Technology</i> , McGraw-Hill, pp. 99, 447, 461-465 (1983). |
| ✓ | Sze, S.M., ed., "Silicides for Gates and Interconnections," <i>VLSI Technology</i> , McGraw-Hill, pp. 372-380 (1983). |

| | |
|-------------------------------|-----------------------------|
| EXAMINER <i>W. Markham</i> | DATE CONSIDERED 12/13/04 |
|-------------------------------|-----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.